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- (71) Applicant (*for all designated States except US*): MO-BIDIAG OY [FI/FI]; Haartmaninkatu 8, FI-00290 Helsinki (FI).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): PALGI, Jaan [FI/FI]; Koetilankuja 2 E 61, FI-00790 Helsinki (FI). JALAVA, Jari [FI/FI]; Niklaksenkatu 10 as 28, FI-20100 Turku (FI). NIKKARI, Simo [FI/FI]; Sirkkalankatu 25 b 46, FI-20700 Turku (FI).
- (74) Agent: KOLSTER OY AB; Iso Roobertinkatu 23, P.O. Box 148, FI-00121 Helsinki (FI).

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(54) Title: NUCLEIC ACID PROBES AND BROAD-RANGE PRIMERS FROM REGIONS IN DNA DIRECTED RNA POLYMERASE SUBUNIT B GENES, AND METHODS IN WHICH THEY ARE USED

(57) Abstract: The invention relates to nucleic acid probes and to broad-range primers that are useful in the identification of bacterial species and the diagnosis of bacterial infections. Especially, the invention relates to specific nucleic acid probes that originate from hyper-variable regions situated near the conserved sequences of the gene for RNA polymerase beta subunit, rpoB (DNA directed RNA polymerase subunit B) of infection-causing bacteria. The invention also relates to broad-range primers originating from the conserved regions of rpoB genes. In addition, the invention relates to the use of these nucleic acid probes and broad-range primers in the diagnosis of bacterial infections as well as to diagnostic methods in which these nucleic acid probes and broad-range primers are used.